

Review

Part 1

Name:

Name: _____

Skill: Averages / Mean

Averages

Here's how you can find the average, or mean, of a set of numbers.

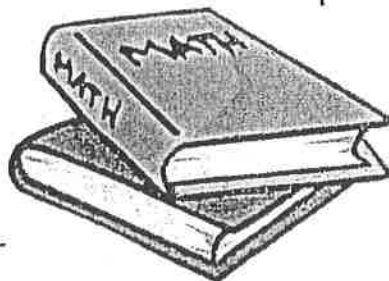
Step 1: Find the sum of the numbers.

Step 2: Divide the sum by the number of addends.

Find the average of these numbers: 6, 2, 9, 7

Step 1: $6 + 2 + 9 + 7 = 24$

Step 2: $24 \div 4 = 6$



Find the averages.

Show your work and write your answer on the line.

a. 6, 5, 7

avg: _____

b. 6, 3, 3

avg: _____

c. 7, 6, 3, 8

avg: _____

d. 9, 11, 1, 7

avg: _____

e. 8, 7, 0

avg: _____

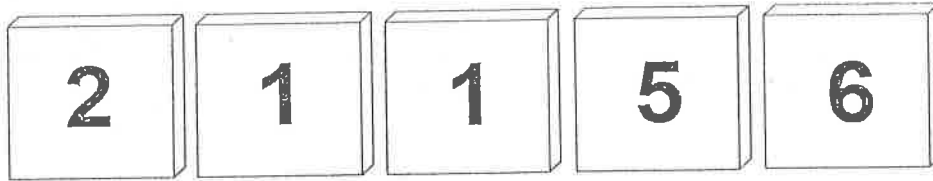
f. 12, 8, 4, 16, 10

avg: _____

Name: _____

Mean, Median, Mode, and Range

Find the mean, median, mode, and range for each set of numbers.

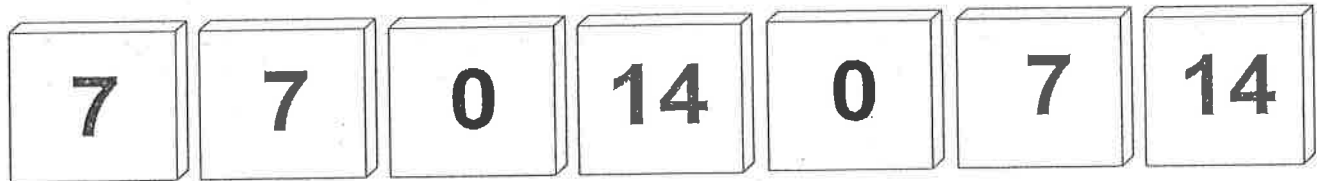


median - _____

mode - _____

range - _____

mean - _____

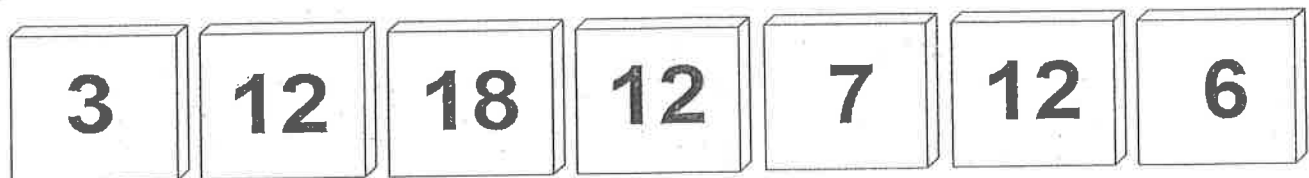


median - _____

mode - _____

range - _____

mean - _____



median - _____

mode - _____

range - _____

mean - _____

Name: _____

Mean, Median, Mode, and Range

Find the mean, median, mode, and range for each set of numbers.

a. 3, 4, 9, 7, 7

mean: _____

median: _____

mode: _____

range: _____

b. 15, 3, 3

mean: _____

median: _____

mode: _____

range: _____

c. 3, 0, 0, 2, 0

mean: _____

median: _____

mode: _____

range: _____

d. 5, 6, 5, 2, 4, 5, 1

mean: _____

median: _____

mode: _____

range: _____

e. 10, 6, 3, 10, 1

mean: _____

median: _____

mode: _____

range: _____

f. 4, 6, 2, 6, 9, 3, 5

mean: _____

median: _____

mode: _____

range: _____

Name: _____

Averages: Word Problems

Clayton plays basketball on a team. He has played three games so far. In the first game, he scored 10 points. In the second game, he scored 14 points. In the third game, he scored 6 points. What is Clayton's average points per game?

answer: _____

Mandy earns money by delivering groceries. She earned \$4 on Monday, \$7 on Tuesday, \$5 on Wednesday, \$4 on Thursday, and \$5 on Friday. What is the average amount of money Mandy earned per day?

answer: _____

Jean loves to go birdwatching. One day, she saw 7 birds. The next day, she saw 11 birds. The next day, she saw no birds. What is the average number of birds Jean saw each day?

answer: _____

Harley read 5 books in January, 8 books in February, 4 books in March, and 7 books in April. What is the average number of books Harley read per month?

answer: _____

Name: _____

Equations with 2 Variables

Determine the value of the unknown variable in each equation.

$$10 + a = b$$

$$a = 7, b = \underline{\hspace{2cm}}$$

$$g - 2 = h$$

$$g = 10, h = \underline{\hspace{2cm}}$$



$$12n = m$$

$$n = \underline{\hspace{2cm}}, m = 36$$

$$\frac{16}{v} = w$$

$$v = 2, w = \underline{\hspace{2cm}}$$

$$e + 9 = f$$

$$e = \underline{\hspace{2cm}}, f = 17$$

$x + 14 = y$					
x	4		9		
y		20		25	30

$5y = z$					
y	2		6		12
z		20		45	

$a - 6 = b$					
a	12	15		28	
b			18		50

$\frac{r}{2} = s$					
r		4	8	14	
s	1				11

$\frac{50}{n} = m$					
n	2		10	25	
m		10			1

$9 - x = y$					
x	0	3	5		9
y				1	

Name: _____

Basic Algebra with 2 Variables



1.

$$a + 5 = b$$

If a equals 2, b will equal _____.

If a equals 4, b will equal _____.

If a equals 7, b will equal _____.

2.

$$c - 6 = d$$

If c equals 10, d will equal _____.

If c equals 14, d will equal _____.

If c equals 21, d will equal _____.

3.

$$7e = f$$

If e equals 3, f will equal _____.

If e equals 6, f will equal _____.

If e equals 12, f will equal _____.

4.

$$\frac{12}{g} = h$$

If g equals 3, h will equal _____.

If g equals 4, h will equal _____.

If g equals 2, h will equal _____.

5.

$$j + 5 = k$$

j	k
3	
	5
9	
	13

6.

$$6m = n$$

m	n
3	
	30
0	
	54

7.

$$\frac{p}{3} = q$$

p	q
9	
	11
36	
	7

8.

$$13 - r = s$$

r	s
7	
	5
9	
	1

Comparing Four-Digit Numbers

Part 1: Write $<$, $>$, or $=$ on each line.

a. 6,713 _____ 6,731

b. 8,887 _____ 8,788

c. 1,040 _____ 1,400

d. 7,878 _____ 8,787

e. 4,910 _____ 599

f. 5,512 _____ 5,512

g. 3,005 _____ 3,500

h. 6,712 _____ 7,612

i. 1,002 _____ 103

j. 7,000 _____ 7,000

k. 6,419 _____ 6,149

l. \$3,456 _____ \$3,546

Part 2: Circle the greater amount in each pair.

m. 2,929 399

n. 4,555 4,575

o. 9,990 9,909

Part 3: Circle the smaller amount in each pair.

p. 6,789 6,897

q. 7,008 7,018

r. 3,090 3,079

Part 4: On each line, write out the words, "is greater than," "is less than," or "is equal to."

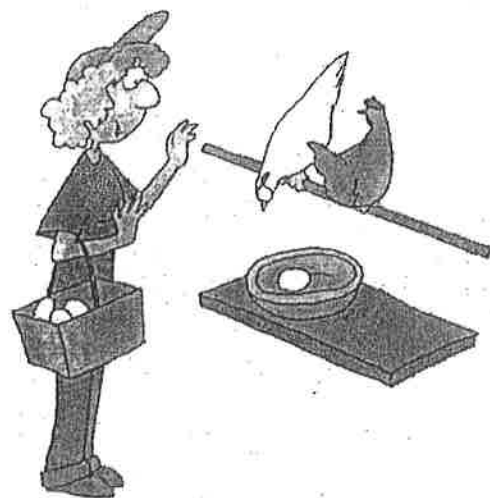
s. 9,087 _____ 9,089

t. 5,550 _____ 5,055

u. 4,409 _____ 4,409

v. \$7,883 _____ \$3,887

w. 629 _____ 6,119



Part 5: Read and answer the questions.

- x. Randy and Brad are dairy farmers. Randy has 1,398 cows on his farm. Brad has 1,938 cows. Who has more cows on his farm?

- y. Vanessa's family has an egg farm. Her family gathers 1,039 eggs on Monday. They gather 989 eggs on Tuesday. Which day did they gather fewer eggs?

Name: _____

Comparing four-digit numbers; Greater than & Less than

Comparing Numbers

*"Greater Than"**"Equal To"**"Less Than"*

$$4,347 \quad \boxed{>} \quad 4,339$$

$$1,364 \quad \boxed{=} \quad 1,364$$

$$9,233 \quad \boxed{<} \quad 9,238$$

4,347 is greater than 4,339

1,364 is equal to 1,364

9,233 is less than 9,238

In the left column, write a symbol (<, >, or =) for each.

In the right column, write the words "is greater than", "is less than", or "is equal to."

- | | | |
|----------------------|-------------------|--|
| a. 5,676 _____ 5,767 | 5,676 _____ 5,767 | |
| b. 2,980 _____ 2,890 | 2,980 _____ 2,890 | |
| c. 993 _____ 1,002 | 993 _____ 1,002 | |
| d. 7,976 _____ 8,123 | 7,976 _____ 8,123 | |
| e. 6,767 _____ 6,767 | 6,767 _____ 6,767 | |
| f. 4,545 _____ 5,454 | 4,545 _____ 5,454 | |
| g. 2,090 _____ 2,009 | 2,090 _____ 2,009 | |
| h. 8,100 _____ 7,800 | 8,100 _____ 7,800 | |
| i. 1,234 _____ 1,234 | 1,234 _____ 1,234 | |
| j. 1,000 _____ 190 | 1,000 _____ 190 | |
| k. 6,334 _____ 6,443 | 6,334 _____ 6,443 | |
| l. 710 _____ 701 | 710 _____ 701 | |
| m. 7,771 _____ 7,771 | 7,771 _____ 7,771 | |
| n. 3,018 _____ 3,081 | 3,018 _____ 3,081 | |

Challenge:

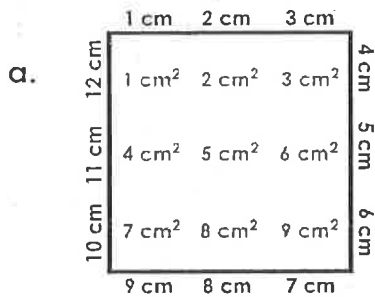
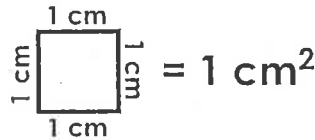
★ 102 + 995 _____ 1,100 102 + 995 _____ 1,100

★ 333 _____ 111 + 444 333 _____ 111 + 444

Name: _____

Area and Perimeter

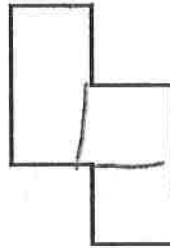
Find the area (A) and perimeter (P) of each shape.



$A = 9 \text{ cm}^2$

$P = 12 \text{ cm}$

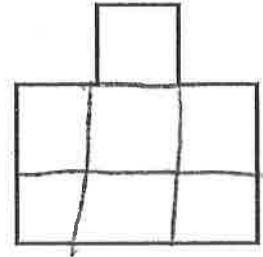
b.



$A =$ _____

$P =$ _____

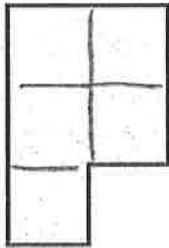
c.



$A =$ _____

$P =$ _____

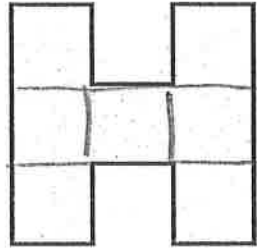
d.



$A =$ _____

$P =$ _____

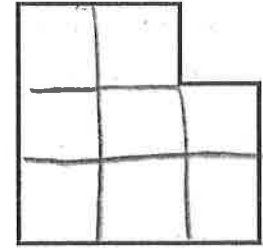
e.



$A =$ _____

$P =$ _____

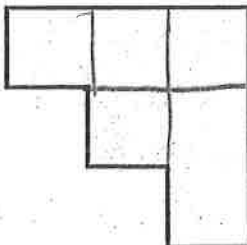
f.



$A =$ _____

$P =$ _____

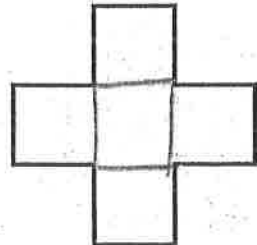
g.



$A =$ _____

$P =$ _____

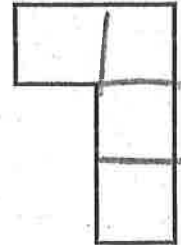
h.



$A =$ _____

$P =$ _____

i.



$A =$ _____

$P =$ _____

Name: _____

Home Sweet, Symmetrical Home

Some of these houses are symmetrical and some are not. Color the symmetrical houses light blue and color the houses that are not symmetrical light green. Then, for each symmetrical house, draw the line of symmetry with a red crayon.

a.



b.



c.



d.



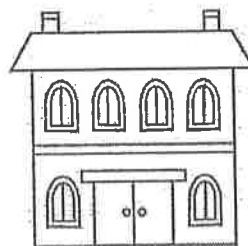
e.



f.



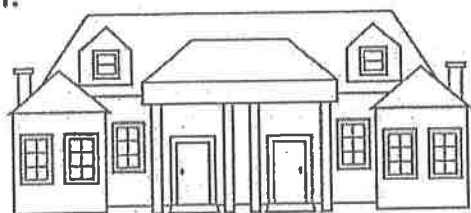
g.



h.



i.



j.



k.



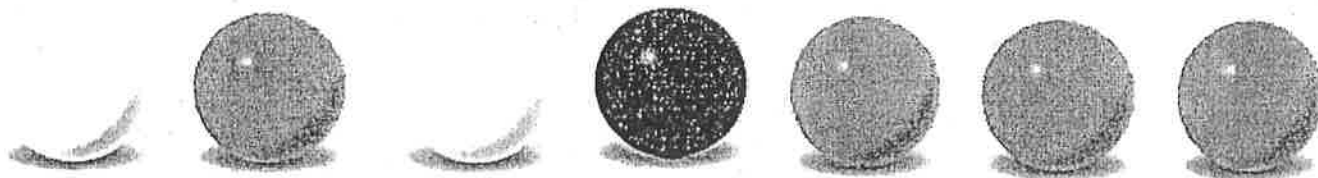
l.



Name: _____

Probability

The marbles pictured below are gray, white, and black. They are placed in a bag and one is drawn at random.

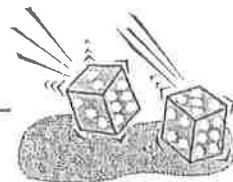


1. Which color marble is least likely to be drawn from the bag? _____
2. What is the probability of drawing the black marble from the bag? _____
3. What is the probability of drawing a gray marble? _____
4. What is the probability of the drawing a white marble? _____
5. What is the probability of drawing a marble that is not white? _____
6. Would you be more likely to draw a marble that is not black or a marble that is not gray?
Explain your answer.

7. If three more black marbles were added to the bag,
what would be the probability of drawing a black marble? _____

Name: _____

Probability



1. If you roll a die, what are the chances of rolling a two? answer: _____

2. If you roll a die, what is the probability that you will roll an even number? answer: _____

3. A bag contains 3 red marbles, 3 blue marbles, and 1 green marble. If a marble is drawn from the bag at random, what is the probability that the marble will be blue? answer: _____

4. A bag contains 6 number tiles. The numbers in the bag are 3, 7, 8, 9, 13, and 15. If you randomly draw one tile from the bag, what is the probability of picking an odd number? answer: _____

5. Mr. Jones has a hot air balloon. Because the basket is so small, he can take one child for a ride with him. Mary, Carla, John, Lynda, Peter, and Janessa all want to go. They each write their name on a piece of paper and place them in a hat. Mr. Jones randomly selects one child to go with him.

What is the probability that he will select a boy? answer: _____

What is the probability that he will select a girl? answer: _____

6. John and Jackie are rolling a die. John wins if he rolls a number higher than 4. Jackie wins if the number rolled is 4 or less. Is this game fair? Explain.
